

EVO Cart™

Autonomous Transport Robot with Endless possibilities

OPPENT
ADVANCED MOTION TECHNOLOGY



Specifications

Dimensions (L x W x H)	1. 1657mm x 602mm x 352mm 2. 1550mm x 660mm x 352mm 3. 1050mm x 620mm x 500mm 4. 2500mm x 900mm x 500mm 5. 1350mm x 560mm x 230mm	Autonomy*	1. 6 hours (Lead) – 10 hours (Li ion) 2. 6 hours (Lead) – 10 hours (Li ion) 3. 5 hours – 12 hours 4. 5 hours – 12 hours 5. 5 hours
Payload	1. 500kg – 800kg 2. 500kg – 800kg 3. 300kg 4. 2000kg 5. 500kg	Battery	1. Lead gel 24V 140Ah, Pure Lead 24V 115Ah, LiFePO4 24V 120Ah 2. Lead gel 24V 140Ah, Pure Lead 24V 115Ah, LiFePO4 24V 120Ah 3. Lead gel 24V 56Ah, LiFePO4 24V 60Ah 4. Pure lead 24V 230Ah, LiFePO4 24V 240Ah 5. LiFePO4 24V 60Ah
Speed	1. 0,1m/s – 1,4m/s 2. 0,1m/s – 1,4m/s 3. 0,1m/s – 1m/s 4. 0,1m/s – 1m/s 5. 0,1m/s – 1m/s	Safety Devices	2 Laser scanners PL-D - Sensitive board - E-stop
Kinematics	Bidirectional	Navigation	Natural navigation
Minimum Bending Radius	The vehicle is able to rotate on its axis	Materials	- AISI 304 (chassis) - Painted steel (shell)

*different solutions available

EVO Pallet™

Automated Pick up & Delivery of Pallets

OPPENT
ADVANCED MOTION TECHNOLOGY



Specifications

Dimensions (L x W x H)	1550mm x 660mm x 360mm + 100mm
Payload	500kg / 800kg
Speed	0,1 m/s -1m/s
Kinematics	Bidirectional
Minimum Bending Radius	The vehicle is able to rotate on its axis
Autonomy*	7 hours / 12 hours
Battery	Pure lead 24V -115Ah LiFePO4 24V -120Ah
Safety Devices	2 Laser scanners PL-D Sensitive board E-stop
Navigation	Natural navigation
Materials	AISI 304 (chassis) Painted steel (shell)



*different solutions available

EVO Roller™ Family

Autonomous End-of-Line Service Robot

OPPENT
ADVANCED MOTION TECHNOLOGY



Specifications

	EVO Roller™ 1	EVO Roller™ 2	EVO Roller™ T
Dimensions	L 1400 W 660 H 770mm	L 1350 W 602 H 770mm	L 1400 W 1000 H 450mm
Payload	400kg	150kg + 150kg	1400kg
Speed	0,1 m/s – 1m/s	0,1 m/s – 1m/s	0,1 m/s – 1,4 m/s
Kinematics*	Bidirectional Omnidirectional	Bidirectional Omnidirectional	Bidirectional Omnidirectional
Minimum Bending Radius	The vehicle is able to rotate on its axis	The vehicle is able to rotate on its axis	The vehicle is able to rotate on its axis
Autonomy*	20 hours - 40 hours	20 hours - 48 hours	10 hours - 20 hours
Battery*	Pure lead 24V -230Ah LiFePO4 24V –240Ah	Pure lead 24V -230Ah LiFePO4 24V –240Ah	Pure lead 24V -230Ah LiFePO4 24V –240Ah
Safety Devices	2 Laser scanners PL-D Sensitive board E-stop Natural navigation	2 Laser scanners PL-D Sensitive board E-stop Natural navigation	2 Laser scanners PL-D Sensitive board E-stop Natural navigation
Navigation	AISI 304 (chassis)	AISI 304 (chassis)	AISI 304 (chassis)
Materials	Kevlar/Carbon (shell)	Painted steel (shell)	Painted steel (shell)

*different solutions available

EVO cabinet™ 1

Autonomous Transport Robot for medical Centers

OPPENT
ADVANCED MOTION TECHNOLOGY



Specifications

Dimensions	L 1000mm W 602mm H 1400mm
Payload	200kg
Speed	0,1 m/s – 1m/s
Kinematics	Bidirectional
Minimum Bending Radius	The vehicle is able to rotate on its axis
Autonomy*	5 hours / 12 hours
Battery*	Pure lead 12V – 56Ah LiFePO4 24V – 60Ah
Safety Devices	2 Laser scanners PL-D for perimeter obstacles Sensitive board E-stop 2 laser scanners for bridge obstacles
Navigation	Natural navigation
Materials	AISI 304 (chassis) Kevlar/Carbon (shell)

*different solutions available



EVO cabinet™ 2

Autonomous Transport Robot for Industrial Components

OPPENT
ADVANCED MOTION TECHNOLOGY



Specifications

Dimensions	L 1000mm W 602mm H 1400mm
Payload	200kg
Speed	0,1 m/s – 1m/s
Kinematics	Bidirectional
Minimum Bending Radius	The vehicle is able to rotate on its axis
Autonomy*	5 hours / 12 hours
Battery*	Pure lead 12V – 56Ah LiFePO4 24V – 60Ah
Safety Devices	2 Laser scanners PL-D for perimeter obstacles Sensitive board E-stop 2 laser scanners for bridge obstacles
Navigation	Natural navigation
Materials	AISI 304 (chassis) E-glass(shell)

*different solutions available

